reasons 111 orner 古色(I-H)至=---= 台川自川2~ X2n-GM) - ZTHZ = - 27 HHZ = - 27 HTHZ = - 21 HZTHZ - - 21 HZTHZ = 62.11 H (Y-XB) 112 = 62 11 H Y-HXB112 = 62 11 F-XB112 =  $\frac{1}{6^2} \| \times \vec{B} - \times \vec{B} \|^2 = \frac{1}{6^2} \| \times (\vec{B} - \vec{B}) \|^2 \sim \times^2 p + 1$ =  $\frac{1}{6^2} \| \times \vec{B} - \times \vec{B} \|^2 = \frac{1}{6^2} \| \times (\vec{B} - \vec{B}) \|^2 \sim \times^2 p + 1$ =  $\frac{1}{6^2} \| \times \vec{B} - \times \vec{B} \|^2 = \frac{1}{6^2} \| \times (\vec{B} - \vec{B}) \|^2 \sim \times^2 p + 1$ As 4 > a E > E B > B > B > 0 mispetimen + ignome over. Estain over diappers =) E and B are integraler =) || E||2 and b; re indegraler Consider the following of Almiton  $\frac{\mathcal{G}_{j} - \mathcal{G}_{j}}{6 \sqrt{2^{n}}} \frac{1}{\sqrt{2^{n}}} \frac{1}{\sqrt{2^{n}}}$ 

1 Jewiji ~ Tn-(p+1) the tex source is though

Usually the reference is for Ha: (b) \$ +0 \$ Ho: (b) =0 Wy.

Because it him. Bleane of Bj=0, the jts forten doesn't affect the response (merry) the small schooling is not 400 streeting). In this case, CIB; 1-x = (b) = 4-4; Se JENGIN Se / = (=+1-2, 4-(22) 2P( | Tragers | > | Section | )

Conviden a new  $\vec{x}_*$  and you want to predict its expected response  $h^*(\vec{x}_*) = \vec{x}_* \vec{\beta}$ . This is the querye of many predictor of  $\vec{x}_*$  gircle the noise mean in zero. Let  $\vec{n}_* := \vec{x}_* \vec{\beta}$ 

 $\frac{1}{2} = \overline{\chi} \cdot \overline{B} \Rightarrow \frac{1}{2} \sim N(\overline{\chi} \cdot \overline{B}, 6^2 \overline{\chi} \cdot \overline{\chi} \cdot \overline{\chi})^{-1} \overline{\chi} \cdot \overline{\chi}$   $\frac{1}{2} \sim N(\overline{B}, 6^2 (\overline{\chi} \cdot \chi)^{-1})$   $\frac{1}{2} \sim M_{K} \sim N(0,1)$   $\frac{1}{2} \sim M_{K} \sim N(0,1)$ 

Again, o is intermy Ed Courselin

12-Ma 3 Mel) 2 4 Me 7 in h Futur of B.

Star (2000) 2 4 Me 7 in h Futur of B.

The first 23 22 h-feet)

1- (p+1)

Yd-Ma Jackenstar ~ Tn-p21) 11=112 n-py the test state for the Mx  $\neq 0$  is  $\frac{\sqrt[3]{u-0}}{\sqrt[3]{e^{\sqrt{2}}\sqrt[3]{n}}} \in \left[ \frac{1}{2} t_{1-\frac{1}{2}, u-\frac{1}{2}n} \right] \Rightarrow \text{Ketch}$ 

which can be well to test. Investry the test girelles